

02/16/09

Syllabus of Quantum Physics

1. Textbook: Quantum Physics of Atoms, Molecules, Solids, Nuclei, and Particles

2nd Edition; Rober Eisberg & Robert Resnick

- 2 Grading Rule :

- Homework 30%
- Midterm 35% 04/15/09
- Final Exam 35% 06/18/09

3. Office and Office Hours: Rm. 527, New Physics building
TEL: 33665151 Tuesday 10:00~12:00

Web site : http://hep1.phys.ntu.edu.tw/~pchang/quantum_physics_09s

Assistant : 李建宏 , 蔡偉駿

4. Topics :

- (1.) Multielectron atoms – Optical excitations
- (2.) Quantum Statistics
- (3.) Molecules
- (4.) Conductors and Semiconductors
- (5.) Superconductors
- (6.) Nuclear Models
- (7.) Nuclear Decays and Nuclear Reactions
- (8.) Elementary Particle Physics (1)
- (9.) Elementary Particle Physics (2)